Data Sheet (Cat.No.TMAB-00610)

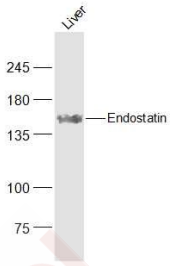
Anti-Endostatin Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse (predicted:Rat)
Molecular Weight:	Theoretical: 20/190 kDa. Actual: 155 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Sample: Liver (Mouse) Lysate at 40 µg Primary: Anti-Endostatin (TMAB-00610) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 20/190 kDa Observed band size: 155 kDa



Application:	IF,IHC-Fr,WB
Recommended	WB: 1:500-2000; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Endostatin
Antigen Species:	Human
Gene ID:	80781
Uniprot ID:	P39060
Synonyms:	collagen α-1(XVIII)chain;collagen;Endostatin;antiangiogenic agent;type XVIII;collagen alpha-1 (XVIII)chain;COL18A1
Biology Area:	Angiogenic inhibitory factors,Inhibitors,Collagen

Research Background

This gene encodes the alpha chain of type XVIII collagen. This collagen is one of the multiplexins, extracellular matrix proteins that contain multiple triple-helix domains (collagenous domains) interrupted by non-collagenous domains. The proteolytically produced C-terminal fragment of type XVIII collagen is endostatin, a potent

antiangiogenic protein. Mutations in this gene are associated with Knobloch syndrome. The main features of this syndrome involve retinal abnormalities so type XVIII collagen may play an important role in retinal structure and in neural tube closure. Two transcript variants encoding different isoforms have been found for this gene.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481